

Falcon 1.2 kW

Vertical Axis Wind Turbine (VAWT)

WEPOWER™



Suitable for any Application; Urban to Rural, Residential to Commercial, Industrial to Institutional

TECHNICAL SPECIFICATIONS :

Performance

Instantaneous Rated Power	1.2kW*
Rated Wind Speed	29 mph (13 m/s)
Cut-In Speed	6 mph (2.7 m/s)
Maximum Wind Speed	111 mph (49.6 m/s)

Annual Energy Production

Assuming Wind Capture 1,051 kWh - 4,200 kWh Annually*
10-40% of the Time at
Rated Speed

Physical Parameters

Size	5'10" (1.78m) Rotor Diameter X 6'7" (2m) Blade Length
Tower Height	18' (5.5m)
Gross Weight	350 lbs (160 kg) Excluding Tower

Noise Level

15 mph (6.7 m/s) @ 9' distance (3m)	32 dB
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Output Controller

Output Voltage (DC)	48V DC (Off Grid)
Output Voltage (DC)	150~400V DC (Grid Connected)

Generator

Type	Permanent Magnet Direct Drive
Rated Temperature	-40°F to 239°F (-40°C to 115°C)

Grid Connected Inverter

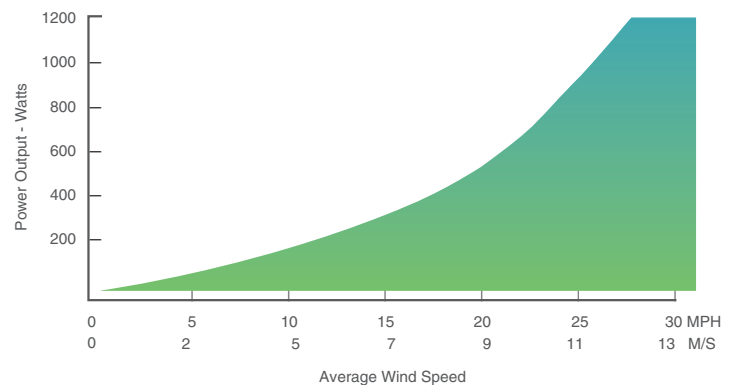
Output (AC)	183~304V AC
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The grid connected inverter is supplied to meet local grid specifications.

Electronic Overspeed Protection

Governed Speed Style	Automatic Aerodynamic Variable Pitch
Secondary Brake	Mechanical Drum

1.2kW Power Curve



Fully Equipped for Grid Connection

Fully Eligible for 30% Federal + State
and Utility Incentives/Rebates**

Details at Department of Energy: www.dsireusa.org

Fully Eligible for Utility Company
Net Metering

www.WEPOWER.us
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866 385-WIND (9463)

California
Energy
Commission



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The information contained herein may change without notice. *Individual performance results may vary. **Subject to applicable regulations, restrictions and requirements.
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